Report of Examination Routing Slip

경영 가격으로 하게 되었다면 모든 모든 가는 것		:/G224201	
etter No./Fee	1/Jill /Betters	s Ispud.	
	Initial	<u>Date</u>	
Author	JW_	9/4/02	
lydrogeologist			
Reviewers	SKL	9/5/02	•
7	- GA	9/11/02	
Proofed	4	9/23/02	
Signed by Nuthor			•
Section Supervisors Approval and Sig.			
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Mail Copies of Report	10: (Permit vyriti	er list - include addresses)	

Mailed Originals and cc's TH 10/28/02

Enclosure: (list)

** WATER RIGHTS APPLICATION TRACKING SYSTEM ** Southwest Regional Office MAJOR DOCUMENT TABULAR REPORT

CONTROL NUMBER	TYPE/ STAT	BUSINESS/PERSON NAME	PRIORITY DATE	WRIA		Qi	ACRE FT/YR PURPOSES	TRS	SOURCE	QUAD
G2-23124	CE	Clearwood Community	9/06/74	11	THURSTON	425.00	529.2 DM·	T16N/R03 E-31	WELL	
G2-23184CWRIS	CE	WIGHT WARLAND	8/29/74	11	PIERCE	250.00	51.0 IR·DM·	T17N/R03 E-05	WELL	SW/4NE/4
G2-4CWRIS	CE	POWELL FRED	9/24/74	11	THURSTON	45.00	14.0 IR·FS·DS·	T17N/R01 E-14	WELL	NW/4SW/4
G2-23225CWRIS	CE	BLACK CECIL	9/16/74	11	PIERCE	5.00	.5 DS·	T17N/R04 E-14	WELL	
G2-23590CWRIS	CE	RASMUSSEN DONALD	6/30/74	11	PIERCE	200.00	80.0 IR-	T17N/R04 E-18	INFILTRATION TREM	N SE/4SE/4
G2-23621CWRIS	CE	NORTH YELM WATER CO	1/20/75	11	THURSTON	30.00	5.0 DM·	T17N/R02 E-19	WELL	
G2-23709CWRIS	CE	PEOPLES JACK	2/03/75	11	PIERCE	10.00	1.0 DS-	T15N/R05 E-26	WELL	SW/4NE/4
G2-23713CWRIS	CE	CLARY WATER ASSC	2/06/75	11	THURSTON	50.00	6.0 DM-	T17N/R01 E-13	WELL	NW/4NW/4
G2-23732CWRIS	CE	VERMILLION JERRY	2/26/75	11	THURSTON	20.00	6.0 IR.DM.	T18N/R01 W-24	WELL	NW/4NW/4
G2-23793CWRIS	CE	SUMMER SHORES WTR CO	4/16/75	11	THURSTON	65.00	20.0 DM-	T17N/R01 E-06	WELL	
G2: 5CWRIS	CE	YEARY DAVID MORGAN	4/28/75	11	PIERCE	20.00	1.0 DS-	T17N/R02 E-02	WELL	SW/4NW/4
G2-23950CWRIS	CE	BELL J L ET UX	9/11/75	11	PIERCE	20.00	2.0 ST.DS.	T17N/R04 E-29	WELL	N/2NW/4SW/4
G2-23959CWRIS	CE	BARNES C A	9/25/75	11	PIERCE	40.00	7.0 IR·DS·	T18N/R02 E-35	WELL	SW/4SW/4
G2-23966CWRIS	CE	PERSON & PERSON INC	9/29/75	11	THURSTON	20.00	4.0 DM-	T17N/R02 E-29	WELL	NE/4SE/4
G2-24089CWRIS	CE	SILVASEED CO	3/09/76	11	PIERCE	300.00	16.4 IR·FR·FP·DS·	T18N/R02 E-33	WELL	NE/4SE/4
G2-24097CWRIS	CE	SEATTLE JEW CAMP ASS	3/08/76	11	PIERCE	95.00	4.2 DM-	T17N/R04 E-14	WELL	NE/4SE/4
G2-24144CWRIS	CE	STAHLE VERA SUE	4/28/76	- 11	PIERCE	20.00	3.0 IR·DS·	T17N/R04 E-05	WELL	
G2-24167CWRIS	CE	MITTGE RAY F	5/19/76	11	THURSTON	20.00	1.5 ST·DS·	T16N/R01 E-13	WELL	NW/4NE/4

Affidavit of Publication

STATE OF WASHINGTON)
COUNTY OF SKAMANIA

scribers during all of this period.

That the full amount of \$......

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NOTICES

State of Washington
DEPT. OF ECOLOGY
Notice of Application to add point of
withdrawal
To existing water rights

Take Notice: That PUD #1 of Skamania County has filed an application to add a point of withdrawal to existing water rights issued for 270 gpm from an infiltration gallery granted under Ground Water Certificate No. G2-24201. The source is located within Section 30 T. 3 N., R. 10 E.W.M. and Certificate was issued for the purpose of municipal supply.

The purpose of the application for change is to add an additional point of withdrawal as an alternative source of supply. Drought conditions over the past year have reduced spring flows. The new well will provide water to the existing customers. The new point of withdrawal will be located within the NE 1/4 NW 1/4 Sec. 30 T. 3 N., R. 10 E. The gpm and acre-feet will remain the same.

Protest or objections to approval of this application must include a detailed statement of the basis of objections; protests must be accompanied by a \$2.00 fee & filed with the Dept. of Ecology, at P.O. Box 47775 Olympia, WA 98504-7775 within (30) days from: 1/2/02

Publ: Dec. 26, 2001 & Jan. 2, 2002 (8282)

W/ 1/10/

Loanna Lamman, being first duly sworn on/oath, deposes and says: That she is the Publisher, Editor or Manager of the SKAMANIA COUNTY PIONEER, a weekly newspaper, which has been established, published in the English language, and circulated continuously as a weekly newspaper in the City of Stevenson, and in said County and State, and of general circulation in said county for more than six (6) months prior to the date of the first publication of the Notice hereto attached, and that the said Skamania County Pioneer was on the 7th day of July, 1941, approved as a legal newspaper by the Superior Court of said Skamania County, and that the annexed is a true copy of . Dept. Lotogy - Notice of application to add as it appeared in the regular and entire issue of said paper itself and not in a supplement thereof for a period ofconsecutive weeks commencing on the..... on the 2 md day of 2002. and that said newspaper was regularly distributed to its sub-

Subscribed and sworn to before me this 32d

Notary Public in and for the State of Washington
Residing at Stevenson



8......has not been paid.



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

December 10, 2001

PUD #1 of Skamania County PO Box 500 Carson WA 98610

Dear Sir or Madame:

Re: Application for Change No. G2-24201

ld. Palacell

Enclosed is a notice of application for change to add a point of withdrawal of existing rights granted under Water Right No. G2-24201.

This notice should be published once a week for two consecutive weeks (two publications) in a newspaper of general circulation published in **Skamania** County as provided in Chapter 275, Laws of 1953. Such a paper must have circulation in the locality where the water is to be withdrawn and used and should also be a paper qualified to publish legal notices.

Please draw to the publisher's attention that the actual date of the (proposed) second publication must appear at the end of the notice where indicated.

To assure accuracy, it is the responsibility of the applicant to check the notice over carefully before having it published. After publication, please send the affidavit of publication to this office.

Sincerely,

Sheri Carroll Water Resources

SC:th (chglet) Enclosure

State of Washington DEPT. OF ECOLOGY Notice of Application to add point of withdrawal To existing water rights

Take Notice: That PUD #1 of Skamania County has filed an application to add a point of withdrawal to existing water rights issued for 270 gpm from an infiltration gallery granted under Ground Water Certificate No. G2-24201. The source is located within Section 30 T. 3 N., R. 10 E.W.M. and Certificate was issued for the purpose of municipal supply.

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WASHINGTON STATE DEPARTMENT OF ECOLOGY MEMORANDUM

November 9, 2001

TO: Pat Locke

FROM: Christine Neumiller, Hydrogeologist, Water Resources

SUBJECT: G2-24201C, Underwood Water System, Skamania County PUD #1

I reviewed the report, *Aquifer Test Report for Test Well #1, Underwood Water System*, submitted on September 15, 2001 by Mark Yinger Associates for Skamania County PUD #1. The report describes the drilling and testing of a well under a Department of Ecology Preliminary Permit dated August 17, 2001. Based on this report, all requirements of the Preliminary Permit have been satisfied.

The well was drilled under an application for change/transfer of an existing surface water right at Gallagan and Shaddox Springs. According to Skamania County PUD #1, drought conditions over the past year have reduced spring flows by up to 75 percent. Over 300 customers could be affected. This information combined with concern expressed by the Washington Department of Health allows Ecology to prioritize this application as a matter of public health and safety.

The site is located roughly 15 miles upstream from the Bonneville Dam. Gallagan and Shaddox Springs discharge to the bluffs above the Columbia River. Their elevations are roughly 376 and 221 feet, respectively. They are fed by perched aquifers within the 310 foot thick Pleistocene Underwood Volcanic sequence, composed of alternating layers of silty clays and coarse sand, cinders, and andesite flows. Below the Underwood Volcanic sequence lie the Tertiary Wanapum Basalts. The upper 25 feet of this unit has been weathered to clay that serves as an aquitard. The test well was drilled near Gallagan Spring into the Wanapum Basalts, which are highly fractured and water bearing. The basalt aquifer is confined by the overlying clay. Based on the aquifer test, the transmissivity of this unit was measured at 2.14E+3 feet²/hour, which is quite high. The specific capacity of the well was also high at 47.7 gallons/foot. The results of the aquifer test must be used somewhat cautiously as only 5 feet of total drawdown was achieved due to pump limitations. Regardless, the discharge rate of 268 gpm during the aquifer test is very close to the requested QI of 270 gpm, so meeting QI would not pose a problem.

With respect to effects on the Columbia River, the clay unit at the top of the Wanapum Basalts appears to be coincident with the riverbed. The fractured portion of the Wanapum Basalts is therefore below the riverbed, so the basalt aquifer does not appear to discharge directly to the river. However, there is probably a hydraulic connection between the river and the basalt aquifer because the potentiometric surface of the basalt aquifer is roughly 100 feet above the riverbed. A withdrawal from the basalt aquifer could have an effect on flows in the Columbia River. Conversely, that effect would be mitigated by reducing or ceasing use of the springs.

(The total QA and QI will not increase). In fact, withdrawing water from the basalt aquifer could have less effect on the Columbia River than capturing the spring water. With respect to other surface waters, there is probably no effect on either the White Salmon River (~4 miles to the east) or the Little White Salmon River (~3 miles to the west).

Because there is most likely some downward vertical component of flow from the Underwood Volcanics into the Wanapum Basalt, these two units can be considered part of the same body of public ground water per RCW 90.44.100(2)(a).



Public Utility Distr No. 1

of Skamania County RECEIVED

Post Office Box 500 • Carson, WA 98610
Phone (509) 427-5126 • Fax (509) 427-8416
Toll Free (800) 922-5329 NNV -2 A10:39

October 30, 2001

Pat Locke, Water Resources
Department of Ecology – Southwest Region
P.O. Box 47777
Olympia, WA 98504

Re: Preliminary Permit to Drill and Test a Well Under Ground Water Change Application G2-24201C

Dear Pat;

Here are many documents in support of our drilling and testing of the above referenced well in NE1/4 NW1/4, Section 30, T. 03N., R. 10E., W.M., in Skamania County, Washington, as required by the Preliminary Permit notice dated August 17, 2001.

Enclosed is:

- A well construction report (Well Log) for the pumping well, the screened interval depth, as well as the pump intake depth (Contained in the bound booklet assembled by Mark Yinger Associates).
- 2. A table and a sketch showing the distance from the pumping will to all observation springs (also contained in the Yinger booklet).
- 3. A map, table, and sketch showing land surface elevations for all measuring points and a description of the method used for determining (contained in the Yinger booklet).
- 4. A legible table including the pumping rate and all water measurement data collected during pumping and recovery (contained in the Yinger booklet).
- 5. A copy of all laboratory test results, separate.
- 6. A copy of the Water Well Report for Notice of Intent No. W 125092, and Unique Ecology Well I.D. Tag No. AFE 594, previously submitted by the well driller, Hansen Drilling Co, Inc., (contained in the Yinger booklet).

I assume the enclosed is all that you need at this time. If I assume wrong, and you need more information, or have questions, please call me or our Water Plant Supervisor, Tom Vance, at 1-800-922-5329.

Thank you,

Robert Wittenberg Jr., PE

Manager for the District



Report Date: September 24, 2001

Job Number: A10831M

PWSID: None Provided PO Number: None Provided Project No: None Provided

Project Name: Underwood Well

Tom Vance Skamania County PUD #1 P.O. Box 500 Carson, WA 98610

Sample Information

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A10831M-1	Underwood Well 08810903	Drinking Water	08/31/01	0900

Analytical results are on the following page(s).

Sincerely,

Technical Services

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

TS/atc





INORGANIC CHEMICAL (IOC) ANALYSIS REPORT

County: Skamania	Group: A B	Other:	
	Date Analyzed: 08/31/01-09/18/01	Analyst: See below	
Date Received: 08/31/01	Date Reported: 09/24/01	Supervisor: CFS	
Multiple Source Nos:	Sample Type: Well/Ground Water	Sample Purpose:	
Lab/Sample No: 08810903	Date Collected: 08/31/01	DOH Source No:	
SYSTEM ID#:	SYSTEM NAME: Skamania County PUD #1		

DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL	Method /	Analys
			EPA RI	EGULATED				
4	Arsenic	ND	mg/L	0.01	0.05	0.05	EPA 200.8	CFS
5	Barium	0.0007	mg/L	0.1	2	2	EPA 200.8	CFS
6	Cadmium	ND	mg/L	0.002	0.005	0.005	EPA 200.8	CFS
7	Chromium	ND	mg/L	0.01	0.1	0.1	EPA 200.8	CFS
11	Mercury	ND	mg/L	0.0005	0.002	0.002	EPA 200.8	CFS
12	Selenium	ND	mg/L	0.005	0.05	0.05	EPA 200.8	CFS
110	Beryllium	ND	mg/L	0.003	0.004	0.004	EPA 200.8	CFS
111	Nickel	ND	mg/L	0.04	0.1	0.1	EPA 200.8	CFS
112	Antimony	ND	mg/L	0.005	0.006	0.006	EPA 200.8	CFS
113	Thallium	ND	mg/L	0.002	0.002	0.002	EPA 200.8	CFS
116	Cyanide	ND	mg/L	0.05	0.2	0.2	SM 4500-CN-C/E	TRG
19	Fluoride	ND	mg/L	0.2	2	4	SM 4500-F-C	1G
114	Nitrite - N	ND	mg/L	0.5	0.5	1	EPA 300.0	IE
20	Nitrate - N	ND	mg/L	0.5	5	10	EPA 300.0	IE
161	Total Nitrate/Nitrite	NA	mg/L	0.5	5	10		
			EPA REGULA	ATED (Second	ndary)			
8	Iron	ND	mg/L	0.1	0.3	0.3	EPA 200.7	CFS
10	Manganese	ND	mg/L	0.01	0.05	0.05	EPA 200.8	CFS
13	Silver	ND	mg/L	0.01	0.1	0.1	EPA 200.8	CFS
21	Chloride	1.	mg/L	20	250	250	EPA 300.0	ΙΕ
22	Sulfate	1.	mg/L	10	250	250	EPA 300.0	IE
24	Zinc	ND	mg/L	0.2	5	5	EPA 200.8	CFS



310303	TOC	VIAVITATA	KELOKI	CONTINUED

DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL	Method	Analyst
			STATE I	REGULATI	ED			
14	Sodium	5.	mg/L	5			EPA 200.7	CV
15	Hardness	53.	mg/L	10			SM 2340-B	CFS
16	Conductivity	130.	μmhos/cm	10	700	700	SM 2510-B	DEW
17	Turbidity	0.12	NTU	0.1	1	1	SM 2130-B	DEW
18	Color	ND	CU	5	15	15	SM 2120-B	DEW
26	Total Dissolved Solids	72.	mg/L	150	500	500	SM 2540-C	DEW
			STATE UN	REGULAT	red			
9	Lead	ND	mg/L	0.002			EPA 200.8	CFS
23	Copper	ND	mg/L	0.2			EPA 200.8	CFS
			OTHER	R (Optional)				
171	Orthophosphate	NA	mg/L	0.1				
172	Silica	NA	mg/L	1.0				76 4
402	Aluminum	NA	mg/L	0.05				
403	Alkalinity	NA	mg/L	10				
404	Magnesium	5.	mg/L	0.1		4	EPA 200.7	CFS
405	Calcium	13.	mg/L	0.5			EPA 200.7	CFS
406	Ammonia	NA	mg/L	1				31.34

SRL (State Reporting Level): Indicates the minimum reporting level required by the Washington Department of Health (DOH).

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regional DOH office for further information.

MCL (Maximum contaminate level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): In the results column indicates this compound was not included in the current analysis.

ND (Not Detected): In the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL. <(0.001): Indicates the compound was not detected in the sample at or above the concentration indicated.

Comments:

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Revised: October 29,1998



VOLATILE ORGANIC CHEMICALS (VOCs) ANALYSIS REPORT EPA TEST METHOD - 524.2

SYSTEM ID#:	SYSTEM NAME: Skamania County PUD #1		
Lab/Sample No: 08810903	Date Collected: 08/31/01	DOH Source No:	
Multiple Source Nos:	Sample Type: Well/Ground Water	Sample Purpose:	
Date Received: 08/31/01	Date Reported: 09/24/01	Supervisor: CFS	
	Date Analyzed: 08/31/01-09/18/01	Analyst: MRD	
County: Skamania	Group: A B	Other:	

DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL
		EPA REGULATI	ED			1900
45	Vinyl Chloride	ND	μg/L	0.5	0.5	2.0
46	1,1-Dichloroethylene	ND	μg/L	0.5	0.5	7.0
47	1,1,1-Trichloroethane	ND	μg/L	0.5	0.5	200
48	Carbon Tetrachloride	ND	μg/L	0.5	0.5	5.0
49	Benzene	ND	μg/L	0.5	0.5	5.0
50	1,2-Dichloroethane	ND	μg/L	0.5	0.5	5.0
51	Trichloroethylene	ND	μg/L	0.5	0.5	5.0
52	1,4-Dichlorobenzene	ND	μg/L	0.5	0.5	75
56	Dichloromethane	ND	μg/L	0.5	0.5	5.0
57	trans-1,2-Dichloroethylene	ND	μg/L	0.5	0.5	100
60	cis-1,2-Dichloroethylene	ND	μg/L	0.5	0.5	70
63	1,2-Dichloropropane	ND	μg/L	0.5	0.5	5.0
66	Toluene	ND	μg/L	0.5	0.5	1000
67	1,1,2-Trichloroethane	ND	μg/L	0.5	0.5	5.0
68	Tetrachloroethylene	ND	μg/L	0.5	0.5	5.0
71	Chlorobenzene	ND	μg/L	0.5	0.5	100
73	Ethylbenzene	ND	μg/L	0.5	0.5	700
76	Styrene	ND	μg/L	0.5	0.5	100
84	1,2-Dichlorobenzene	ND	μg/L	0.5	0.5	600
95	1,2,4-Trichlorobenzene	ND	μg/L	0.5	0.5	70
160	Total Xylenes	ND	μg/L	0.5	0.5	
74	m/p Xylenes (MCL for Total)	ND	μg/L	0.5	0.5	
75	o-Xylene (MCL for Total)	ND	μg/L	0.5	0.5	
		EPA UNREGULAT	ED			
27	Chloroform	ND	μg/L	0.5	0.5	
28	Bromodichloromethane	ND	μg/L	0.5	0.5	
29	Chlorodibromomethane	ND	μg/L	0.5	0.5	
30	Bromoform	ND	μg/L	0.5	0.5	
53	Chloromethane	ND	μg/L	0.5	0.5	
54	Bromomethane	ND	μg/L	0.5	0.5	
55	Chloroethane	ND	μg/L	0.5	0.5	





DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL
58	1,1-Dichloroethane	ND	μg/L	0.5	0.5	1000
59	2,2-Dichloropropane	ND	μg/L	0.5	0.5	
62	1,1-Dichloropropene	ND	μg/L	0.5	0.5	46
64	Dibromomethane	ND	μg/L	0.5	0.5	
70	1,3-Dichloropropane	ND	μg/L	0.5	0.5	
72	1,1,1,2-Tetrachloroethane	ND	μg/L	0.5	0.5	
78	Bromobenzene	ND	μg/L	0.5	0.5	
79	1,2,3-Trichloropropane	ND	μg/L	0.5	0.5	
80	1,1,2,2-Tetrachloroethane	ND	μg/L	0.5	0.5	
81	o-Chlorotoluene	ND	μg/L	0.5	0.5	
82	p-Chlorotoluene	ND	μg/L	0.5	0.5	
83	m-Dichlorobenzene	ND	μg/L	0.5	0.5	
154	1,3-Dichloropropene	ND	μg/L	0.5	0.5	12 4 10
		STATE UNREGULA	TED			
65	cis-1,3-Dichloropropene	ND	μg/L	0.5	0.5	
69	trans-1,3-Dichlorpropene	ND	μg/L	0.5	0.5	
85	Fluorotrichloromethane	ND	μg/L	0.5	0.5	
86	Bromochloromethane	ND	μg/L	0.5	0.5	
87	Isopropylbenzene	ND	μg/L	0.5	0.5	
88	n-Propylbenzene	ND	μg/L	0.5	0.5	
89	1,3,5-trimethylbenzene	ND	μg/L	0.5	0.5	
90	tert-Butylbenzene	ND	μg/L	0.5	0.5	
91	1,2,4-Trimethylbenzene	ND	μg/L	0.5	0.5	
92	sec-Butylbenzene	ND	μg/L	0.5	0.5	
93	p-Isopropyltoluene	ND	μg/L	0.5	0.5	1000
94	n-Butylbenzene	ND	μg/L	0.5	0.5	
96	Naphthalene	ND	μg/L	0.5	0.5	
97	Hexachlorobutadiene	ND	μg/L	0.5	0.5	
98	1,2,3-Trichlorobenzene	ND	μg/L	0.5	0.5	
102	EDB (Scan Confirm by 504.1)	ND	μg/L	0.5	0.5	
103	DBCP (Scan Confrim by 504.1)	ND	μg/L	0.5	0.5	
162	Dichlorodifluoromethane	ND	μg/L	0.5	0.5	

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Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regional DOH office for further information.

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NA (Not Analyzed): In the results column indicates this compound was not included in the current analysis.

ND (Not Detected): In the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): Indicates the compound was not detected in the sample at or above the concentration indicated.

Comments:	
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SYSTEM ID#:	SYSTEM NAME: Skamania County	SYSTEM NAME: Skamania County PUD #1		
Lab/Sample No: 08810903	Date Collected: 08/31/01	DOH Source No:		
Multiple Source Nos:	Sample Type: Well/Ground Water	Sample Purpose:		
Date Received: 08/31/01	Date Reported: 09/24/01	Supervisor: CFS		
	Date Analyzed: 08/31/01-09/18/01	Analyst: AB		
County: Skamania	Group: A B	Other:		
County: Skamania Sample Location: Underwood Well				

DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL
		EPA REGU	LATED			
37	2,4-D	ND	μg/L	0.2	0.2	70
38	2,4,5TP (Silvex)	ND	μg/L	0.4	0.4	50
134	Pentachlorophenol	ND	μg/L	0.08	0.08	1
137	Dalapon	ND	μg/L	2.0	2.0	200
139	Dinoseb	ND	μg/L	0.4	0.4	7
140	Picloram	ND	μg/L	0.2	0.2	500
ericalle a		EPA UNREG	ULATED			
138	Dicamba	ND	μg/L	0.2	0.2	1.0
		STATE UNRE	GULATED		W.	
135	2,4 DB	NA	μg/L	1.0	1.0	
136	2,4,5 T	NA	μg/L	0.4	0.4	
220	Bentazon	NA	μg/L	0.5	0.5	
221	Dichlorprop	NA	μg/L	0.5	0.5	
223	Acifluorfen	NA	μg/L	2	2.0	
225	DCPA acid metabolites (A)	NA	μg/L	0.1	0.1	
226	3,5-Dichlorobenzoic Acid	NA	μg/L	0.5	0.5	
	OTH	ER COMPOUN	DS (OPTION	NAL)		
224	Chloramben	NA	μg/L	0.2	1	
227	5-Hydroxydicamba	NA	μg/L	0.3		
228	4-Nitrophenol	NA	μg/L	0.2		

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<(0.001):	Indicates the	compound	was not	detected	in the	sample	at or	above	the	concentration	indicated	d.
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Comments:	
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SYSTEM ID#:	SYSTEM NAME: Skamania County PUD #1			
Lab/Sample No: 08810903	Date Collected: 08/31/01	DOH Source No:		
Multiple Source Nos:	Sample Type: Well/Ground Water	Sample Purpose:		
Date Received: 08/31/01	Date Reported: 09/24/01	Supervisor: CFS		
	Date Analyzed: 08/31/01	Analyst: BRB		
County: Skamania	Group: A B Other:			
Sample Location: Underwood Well				

DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL
		EPA REGU	LATED			
146	Carbofuran	ND	μg/L	2.0	2.0	40
148	Oxamyl	ND	μg/L	4.0	4.0	200
		EPA UNREG	ULATED			
141	3-Hydroxycarbofuran	ND	μg/L	2.0	2.0	100
142	Aldicarb	ND	μg/L	1.0	1.0	
143	Aldicarb Sulfone	ND	μg/L	0.7	0.7	
144	Aldicarb Sulfoxide	ND	μg/L	1.8	1.8	
145	Carbaryl	ND	μg/L	2.0	2.0	
147	Methomyl	ND	μg/L	1.0	4.0	
	O	THER COMPOUN	DS (OPTION	IAL)		
326	Baygon	NA	μg/L	1		
327	Methiocarb	NA	μg/L	4	Sare a	

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Comments:	
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SYNTHETIC ORGANIC CHEMICALS (SOCs) ANALYSIS REPORT **EPA TEST METHOD - 525.2**

Sample Location: Underwood Well				
County: Skamania	Group: A B Other:			
	Date Analyzed: 09/13/01	Analyst: *		
Date Received: 08/31/01	Date Reported: 09/24/01	Supervisor: *		
Multiple Source Nos:	Sample Type: Well/Ground Water	Sample Purpose:		
Lab/Sample No: 08810903	Date Collected: 08/31/01	DOH Source No:		
SYSTEM ID#:	SYSTEM NAME: Skamania County PUD #1			

DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL
		EPA REGULATI	ED			
33	Endrin	ND	μg/L	0.02	0.02	2
34	Lindane (HCH gamma)	ND	μg/L	0.04	0.04	0.2
35	Methoxychlor	ND	μg/L	0.2	0.2	40
36	Toxaphene	ND	μg/L	2	2	3
117	Alachlor	ND	μg/L	0.4	0.4	2
119	Atrazine	ND	μg/L	0.2	0.2	3
120	Benzo(a)pyrene	ND	μg/L	0.04	0.04	0.2
122	Chlordane (total)	ND	μg/L	0.4	0.4	2
124	Di(ethylhexyl)adipate	ND	μg/L	1.3	1.3	400
125	Di(ethylhexyl)phthalate	ND	μg/L	1.3	1.3	6
126	Heptachlor	ND	μg/L	0.08	0.08	0.4
127	Heptachlor epoxide	ND	μg/L	0.04	0.04	0.2
128	Hexachlorobenzene	ND	μg/L	0.2	0.2	1
129	Hexachlorocyclopentadiene	ND	μg/L	0.2	0.2	50
133	Simazine	ND	μg/L	0.15	0.15	4
134	Pentachlorophenol	ND	μg/L	0.08	0.08	1
		EPA UNREGULAT	ED			
118	Aldrin	ND	μg/L	0.2	0.2	
121	Butachlor	ND	μg/L	0.4	0.4	
123	Dieldrin	ND	μg/L	0.2	0.2	
130	Metolachlor	ND	μg/L	1	1	
131	Metribuzin	ND	μg/L	0.2	0.2	
132	Propachlor	ND	μg/L	0.2	0.2	
154	Fluorene	ND	μg/L	0.2	0.2	
		STATE UNREGULA	TED			
153	PCB (as total arochlors)	ND	μg/L	0.2	0.2	
173	Arochlor 1221*	ND	μg/L	0.5	0.5	
174	Arochlor 1232*	ND	μg/L	0.1	0.5	
175	Arochlor 1242*	ND	μg/L	0.1	0.3	
176	Arochlor 1248*	ND	μg/L	0.1	0.1	





DOH#	ANALYTE	RESULTS	UNITS	SRL	TRIGGER	MCL
177	Arochlor 1254*	ND	μg/L	0.1	0.1	
178	Arochlor 1260*	ND	μg/L	0.1	0.2	
179	Bromacil	ND	μg/L	0.2	0.2	
180	Arochlor 1016*	ND	μg/L	0.2	0.2	
183	Prometon	ND	μg/L	0.2	0.2	
190	Terbacil	ND	μg/L	0.2	0.2	NATION OF
202	Diazinon	ND	μg/L	0.2	0.2	
208	EPTC	ND	μg/L	0.3	0.3	
230	Heptachlor Epoxide "B"	ND	μg/L	0.2	0.2	
232	4,4-DDD	ND	μg/L	0.2	0.2	
233	4,4-DDE	ND	μg/L	0.2	0.2	
234	4,4-DDT	ND	μg/L	0.2	0.2	
236	Cyanazine	ND	μg/L	0.2	0.2	
239	Malathion	ND	μg/L	0.2	0.2	
240	Parathion	ND	μg/L	0.2	0.2	
243	Trifluralin	ND	μg/L	0.2	0.2	Page 1
244	Acenaphthylene	ND	μg/L	0.2	0.2	
245	Anthracene	ND	μg/L	0.2	0.2	
247	Benzo (A) Anthracene	ND	μg/L	0.2	0.2	
248	Benzo (B) Fluoranthene	ND	μg/L	0.2	0.2	
249	Benzo (G,H,I) Perylene	ND	μg/L	0.2	0.2	198
250	Benzo (K) Fluoranthene	ND	μg/L	0.2	0.2	
251	Chrysene	ND	μg/L	0.2	0.2	
252	Dibenzo (A,H) Anthracene	ND	μg/L	0.2	0.2	100
253	Fluoranthene	ND	μg/L	0.2	0.2	
255	Indeno (1,2,3-cd) Pyrene	ND	μg/L	0.2	0.2	
256	Phenanthrene	ND	μg/L	0.2	0.2	
257	Pyrene	ND	μg/L	0.2	0.2	
258	Benzyl Butyl Phthalate	ND	μg/L	0.6	0.6	
259	Di-N-Butyl Phthalate	ND	μg/L	0.6	0.6	
260	Diethyl Phthalate	ND	μg/L	0.6	0.6	
261	Dimethyl Phthalate	ND	μg/L	0.6	0.6	1.0.40
319	Heptachlor Epoxide "A"	ND	μg/L	0.2	0.2	

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~			1100
Co	m	me	nts.

Analyzed	by Edge Analytical, WA.	
TOTAL TRAIL		

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Revised: October 2, 1997

AUDI LAD LLU

2517 E. EVERGREEN BLVD.					
VANCOUVER WA 98661					
WATER BACTERIOL					
SAMPLE COLLECTION: READ INSTRUCT					
If Instructions are not follow					
DATE COLLECTED TIME COLL MONTH DAY YEAR	ECTED COUNTY NAME				
831/ PAM T	DPM SKAMANIA				
TYPE OF SYSTEM IF PUBLIC SYSTEM. O					
PUBLIC	CIRCLE GROUP				
INDIVIDUAL I.D. No. 90	2005 A B				
(serves only 1 residence) NAME OF SYSTEM					
NAME OF SYSTEM	1				
Underwoo	d				
SPECIFIC LOCATION WHERE SAMPLE COLLECTED	TELEPHONE NO.				
	DAY 509 427 5126				
new well					
SAMPLE COLLECTED BY: (Name)	EVENING () SYSTEM OWNER/MGR.: (Name)				
SAMPLE COLLECTED BY: (Name)	131111				
10m VANCE	Bob Wittenber				
	DER SURFACE INFLUENCE				
SURFACE WELL OF SPRIN	IG PURCHASED or COMBINATION OF OTHER				
SEND REPORT TO: (Print Full Name, Addre					
Skamo	ania PUD				
PO BA	000				
- 100)	CCC				
Carso	WASHINGTON 486/C				
TYPE OF SAMPLE (check only one in this	[[[[[[[[[[[[[[[[[[[[
DRINKING WATER	nlorinated (Residual:Total Free)				
	tered				
REPEAT SAMPLE	treated or Other				
Previous coliform presence Lab #_					
Date _					
ln					
	Total Coliform				
NEW CONSTRUCTION or REPAIRS OTHER (Specify)	Fecal Coliform				
OTHER (Specify) /VCW	180166				
REMARKS:					
(LAD LICE ONLY) DOWN	CALO WATER RECUITO				
(LAB USE ONLY) DRINK					
UNSATISFACTORY, Coliforms present	SATISFACTORY, Coliforms absent				
SAMPLES -	E. Coli absent				
REQUIRED Fecal present	Fecal absent				
OTHER LABORA	FORY RESULTS				
TOTAL COLIFORM/100	ml E. COLI/100 ml				
FECAL COLIFORM/100					
ANOTHER SAME SAMPLE NOT TESTED BECAUSE:	PLE REQUIRED TEST UNSUITABLE BECAUSE:				
Sample too old	Confluent growth				
Wrong container	TNTC				
Incomplete form	Turbid culture				
	Excess debris				
SEE REVERSE SIDE OF GREEN COP	Y FOR EXPLANATION OF RESULTS				
	DOFOO				
	02580				
LAR NO (7-DIGITS)	IME RECEIVED RY				

DATE REPORTED HRL

WATER SUPPLIER COPY